



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx FTZU 16.0017X Issue No: 1 Certificate history:  
Status: **Current** Page 1 of 4 Issue No. 1 (2017-02-15)  
Date of Issue: **2017-02-15** Issue No. 0 (2016-08-25)  
Applicant: **Streamlight Inc.**  
30 Eagleville Road  
Eagleville, PA 19403  
**United States of America**  
Equipment: **Intrinsic safe flashlight DUALIE 3AA and DUALIE 3AA LASER**  
*Optional accessory:*  
Type of Protection: **Intrinsic safety, inherently safe optical radiation**  
Marking: Ex ia op is IIC T3/T4 Ga

*Approved for issue on behalf of the IECEx  
Certification Body:*

Dipl. Ing. Martin Zámorský

*Position:*

Vice Head of Certification Body

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Fyzikálně technický zkusební ústav  
(Physical -Technical Testing Institute)  
Pikartská 7  
71607 Ostrava - Radvanice  
Czech Republic**





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Manufacturer: **Streamlight Inc.**  
30 Eagleville Road  
Eagleville, PA 19403  
**United States of America**

Additional Manufacturing location(s):

**Huizhou Quantum Lighting Ltd**

Xiexia  
Huihuan Town  
Huichen District  
Huizhou City, Guangdong  
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-28 : 2015</b> Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[CZ/FTZU/ExTR16.0017/00](#)      [CZ/FTZU/ExTR16.0017/01](#)

Quality Assessment Report:

[GB/ITS/QAR14.0015/01](#)      [NO/NEM/QAR14.0001/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The equipment is a portable, battery operated, hand-held flashlight. The equipment is an intrinsically safe apparatus. The equipment comprises a lantern body (red or yellow or black static dissipative plastic), a facecap (black static dissipative plastic) and two switches (black rubber). Inside of the equipment there are three 1.5V primary alkaline cells size AA and three printed circuit boards with two white LEDs (type DUALIE 3AA) or two printed circuit boards with one LED and one Laser LED (type DUALIE 3AA LASER).

Ambient temperature: -20 to +40°C

Temperature class T3: Panasonic LR6XP, Panasonic LR6XWA, Energizer E91;

Temperature class T4: Energizer L91 Lithium, Rayovac 815, Duracell MN1500;

For Instructions see document 998136, rev.C.

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall only be opened in a non-hazardous area.
2. The cells type Energizer L91 Lithium or Rayovac 815 or Duracell MN1500 or Panasonic LR6XP or Panasonic LR6XWA or Energizer E91 shall only be used in the product.
3. For equipment variant with clip with magnets: The equipment enclosure includes accessible metal parts. The measured capacitance on the magnets is 12 pF. The end user shall determine suitability in the specific application.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Issue 1:

The equipment enclosure was added with the new possibility – new clip with magnets.  
The Specific conditions of use have been updated.